

MODELS: Beechcraft C17L (Army UC-43J), SC17L, C17B (Army UC-43G), SC17B

T.C. NUMBER: ATC 602

I - SPECIFICATIONS PERTINENT TO ALL MODELS LISTED BELOW:

Placard speeds	Landplane - Level flight or climb - 183 mph True Ind. Glide or dive - 225 mph True Ind. Flaps extended - 100 mph True Ind. Seaplane - Level flight or climb - 150 mph True Ind. Glide or dive - 223 mph True Ind. Flaps extended - 100 mph True Ind. Amphibian - Level flight or climb - 160 mph True Ind. Glide or dive - 223 mph True Ind. Flaps extended - 100 mph True Ind.
Fuel	74 gallons (Three tanks: one 23 gallon tank in each upper wing (+46.5) and one 28 gallon tank in fuselage (+31.5))
Oil	5 gallons (-19)
No. passengers	4 (front +19, rear +60.5) (See NOTE 4)
Baggage	126 lbs. maximum (+79.5) (See NOTE 4)
Standard weight	Landplane 3165 lbs. Seaplane 3525 lbs. Amphibian 3525 lbs.
C.G. limits	Landplane (+16.6) and (+29.4) Seaplane (+19.4) and (+29.7) Amphibian (+20.0) and (+27.0)
Spec. basis	Approved Type Certificate No. 602
Serial Nos.	67 and up manufactured prior to 9/30/39 and all AAF Nos. eligible. Approval expired 9/30/39.

EQUIPMENT: (Datum is leading edge of lower wing) (\* Means net increase)  
(See NOTE 1)

Class I:

A. Landplane		
101.	Engine ring cowl	30 lbs.
102.	Starter (electric)	20 lbs.
103.	Generator	
	(a) 10 amp (Bosch) for Jacobs L-4	10 lbs.
	(b) 15 amp (Eclipse) for Jacobs L-5	15 lbs.
104.	Battery (Exide 6TS-13-1) (under floor in front of rear seat)	36 lbs.
105.	Control column	
	(a) Swing-over or	
	(b) "T" type	
	(Inspector should report type installed.)	
106.	Oil radiator (Harrison)	9 lbs.
107.	Propeller - fixed pitch metal (Curtiss 55501)	56 lbs.
108.	6.50-10 or 7.50-10 wheels (Hayes) with 7.50-10 tires	
109.	10x3 tail wheel	
B. Seaplane: Items 101 thru 107 PLUS		
150.	Edo 38-3430 floats with 10 lbs. water rudder installation	490 lbs.
C. Amphibian: Items 101 thru 107 PLUS		
175.	Edo 49-3875 amphibian floats (ATC 73)	

	with 7.50-10 wheels (Hayes 750A) and 7.50-10 6-ply tires	624 lbs.
176.	Auxiliary fin	6 lbs.
Class II:		
201.	Propeller - wood (fixed pitch) (C17L and SC17L only)	
203.	Propeller - Lycoming P-220 hub and Pittsburgh B300S0 blades (Models C17L and SC17L only)	127 lbs.
204.	Special landing gear complying with Canadian requirements for ski installation	
205.	Landing lights	
	(a) Under lower wing (Grimes)	3.5 lbs. each (+18)
	(b) In wheel well (Hall)	3.5 lbs. each (+37)
	(c) S & M	Use actual weight
206.	Flares (Drawing No. I-17004)	
208.	Shielding	
	(a) Breeze	15 lbs.
	(b) Packard	10 lbs.
209.	Extra door on right side	6 lbs.*
210.	Extra fuel tanks (any combination of tanks including removal of the fuselage tanks may be used subject to inspector's approval and provided weight and balance report accounts for actual installation)	
	(a) 23 or 25 gallon tanks in wings, upper (+46.5) and lower (+24)	20 lbs. each
	(b) Fuselage, rear 42 gallons	(+57.2)
211.	Oil tanks	
	(a) 6 gallons	(-19)
	(b) 7.5 gallons	(-19)
	(c) 8.5 gallons	(-19)
212.	Generator - 25 amp (Eclipse)	20 lbs.
213.	Golf bag compartment (Drawing I-17006). In bay aft of, and opens into, baggage compartment. Maximum capacity 70 lbs. golf bag and clubs only.	
214.	Parachutes or parachute type chairs	
215.	Seaplane corrosion protection	20 lbs.
216.	Pressure fire extinguisher (Drawing I-17001) (Container at +14)	
217.	Metal tank cover (Drawing I-17003)	
218.	Camera well (Drawing I-17005)	
219.	Ballast installation	Maximum 25 lbs. (+210)
220.	Special tool compartment in tail, including tools	25 lbs. (+218)
221.	Battery	
	(a) Under floor in front of rear seat	25 lbs.
	(b) In 1st bay aft of baggage compartment	36 lbs.
222.	Engines (Use actual weight)	
	(a) Jacobs L-4M, L-4MA or L-4MB (for models C17L and SC17L). Limits same as for L-4.	
	(b) Jacobs L-5M or L-5MB (for models C17B and SC17B). Limits same as for L-5.	
224.	Starter (Heywood)	25 lbs.
225.	Camera installation (Drawings B17E015, B17E016 and B17E902): Camera and viewfinder 110 lbs. (+51); Operator's stool 4 lbs. (+65); 25 gallon fuel tank in baggage compartment 15 lbs. (+86). Remove: Rear seat 31 lbs. (+62) and cover plates for camera and viewfinder 3 lbs. (+51).	
226.	Propeller - Hamilton Standard 2B20 with 6135A-12 or -13 blades. Diameter 8' 1/8" - 7' 9-7/8". (Model C17B only)	
Class III:		
301.	24 in. streamline wheels (Hayes) with 6-ply tires (Wheels must be placarded for these tires.)	75 lbs.
302.	Puncture proof tubes	
	(a) 7.50-10	8 lbs.*
	(b) 24 in. streamline	5 lbs.*
303.	Tail wheel steering device	No change in weight

304. Electric motor and installation for  
auxiliary to manually operated  
retracting gear (25 amp fuse required) 8 lbs.\*

NOTE 1. Weight and balance report including list of equipment included in certificated weight empty, and loading instructions when necessary, must be submitted for each aircraft with original inspector's report and each subsequent report covering changes in Class I or II equipment.

NOTE 2. Eligible for export as follows, subject to inspection for equipment specified in Chapter XII of Inspection Handbook: (9/30/39)

- (a) Canada
  - Landplane
  - Seaplane - maximum standard weight 3430 lbs.
  - Amphibian - not eligible
  - Skiplane - not eligible. However, structure complies with Canadian requirements for ski installation when approved special landing gear (Item 204) is installed.
- (b) Australia - Landplane only
- (c) All other countries

NOTE 3. On Model SC17B (Amphibian type only) rudder travel must be limited to 19 degrees right and 22 degrees left of fin centerline.

NOTE 4. Five place type must be placarded for 60 lbs. baggage when 3 passengers occupy rear seat unless more is substantiated in weight and balance report. Baggage includes anchor and rope 25 lbs. when carried.

II - MODEL C17L (UC-43J), 5 PCLB:

Engine	Jacobs L-4
Placard limits	Maximum, except take-off -- in. Hg., 2000 rpm (225 hp) Take-off (one minute) -- in. Hg., 2000 rpm (225 hp)

III - MODEL SC17L, 5 PCSB:

Engine	Jacobs L-4
Placard limits	Maximum, except take-off -- in. Hg., 2000 rpm (225 hp) Take-off (One minute) -- in. Hg., 2000 rpm (225 hp)

IV - MODEL C17B (UC-43G), 5 PCLB:

Engine	Jacobs L-5
Placard limits	Maximum, except take-off -- in. Hg., 2000 rpm (285 hp) Take-off (one minute) -- in. Hg., 2000 rpm (285 hp)

V - MODEL SC17B, 5 PCSB or 5 PCAmB (See NOTE 3);

Engine	Jacobs L-5
Placard limits	Maximum, except take-off -- in. Hg., 2000 rpm (285 hp) Take-off (one minute) -- in. Hg., 2000 rpm (285 hp)